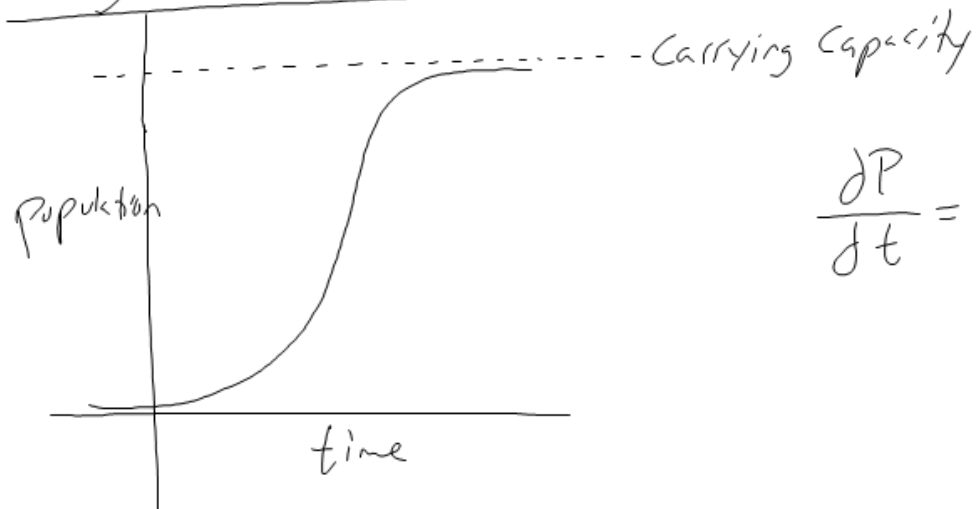


Logistic Functions



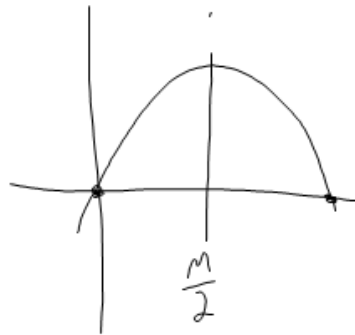
$$\frac{\partial P}{\partial t} = kP(m-P)$$

Population
 ↙ ↘
 ↓ ↓
 carrying capacity

p. 365 - Exploration 2

$$P = \frac{m}{1 + Ae^{-mkt}}$$

m ← carrying capacity
 -mkt ← time
 A ← constant
 e ← constant



Sect. 6.5

#19-22, 23, 26, 31, 32, 37
↓
#21, 22
long divide
first

↓
no need
to show

↓
read
ex. 6